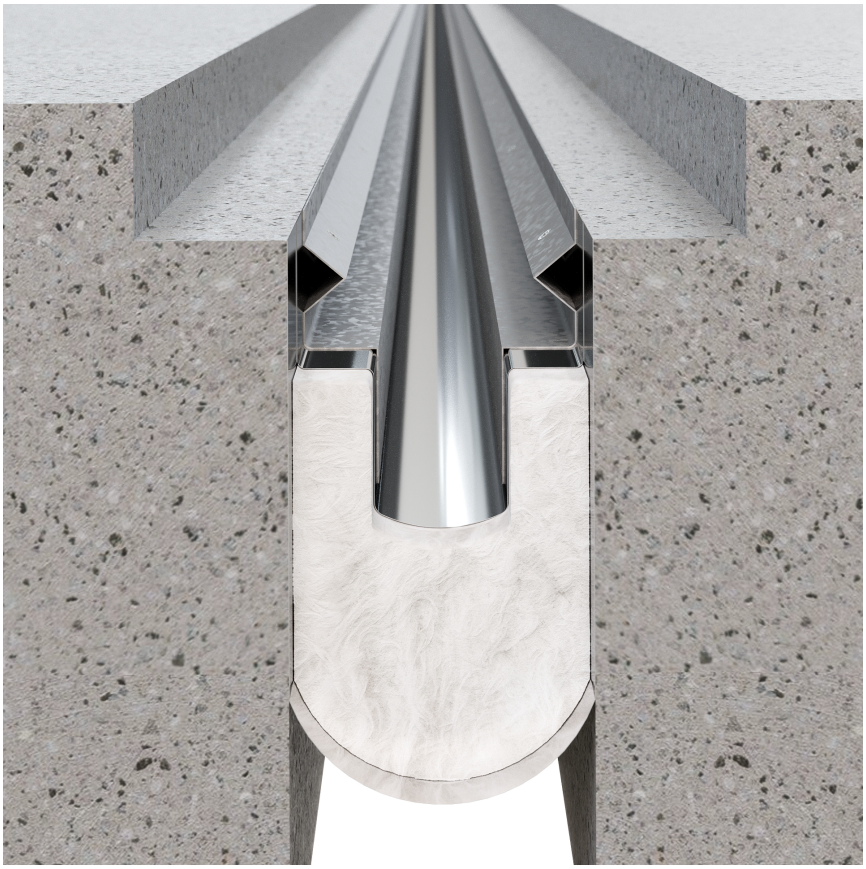
NEXUS
Expansion & Movement Joint Systems

Expansion & Movement Joint Systems



Installation Instructions

SPLICING

July 2020

SPLICING

PLEASE READ THOROUGHLY THIS ENTIRE DOCUMENT BEFORE INITIATING THE WORK

Initial **CHECKLIST**

- Inspect Material supplied, for any damage or defects. If any flaw is found, please contact Nexus' local supplier at the earliest.
- Check that all Material mentioned in this document, were delivered by Nexus' local supplier.
- Take note of all tools, accessories and equipment before starting the job. If any is missing, please procure the missing elements or contact Nexus' local supplier for assistance.
- The site condition, approved shop drawings, the material supplied and the installation instructions should be matching. If any ambiguity please contact Nexus' supplier for assistance
- All elements should be stored, until assembly, in a clean and dry location.

SPLICING

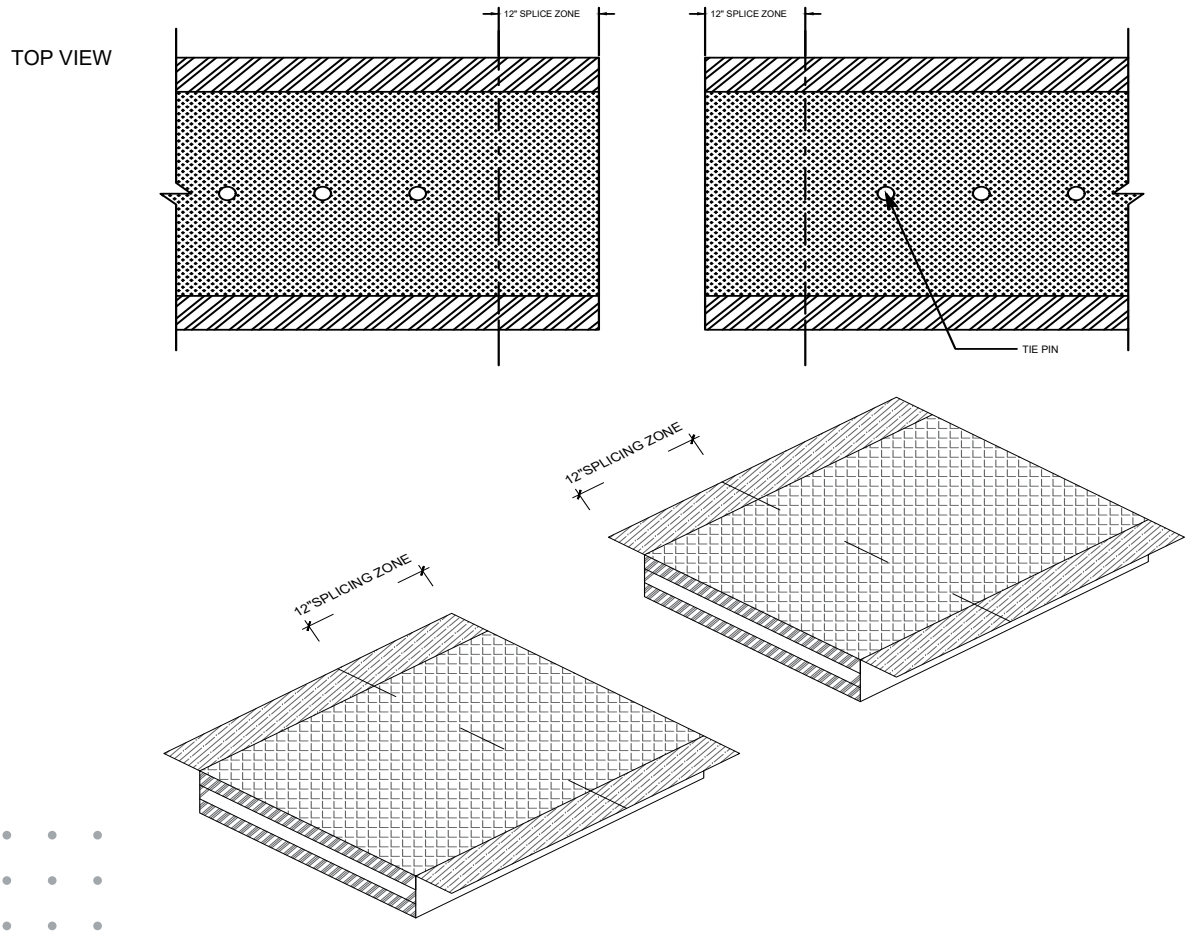
A. Splicing Instructions

In some cases it will be necessary to make longer sections of expansion joint blankets out of smaller pieces. In these cases the following instructions are to be used to splice two or more pieces together. It is highly recommended that this procedure be performed prior to installation in the wall or floor, as this procedure is much less time consuming when performed on a flat surface.

After the splicing is completed, the installation procedure remains the same as described in the installation instructions.

Note: Fire Barriers must be spliced in accordance with splicing instructions to maintain UL Rating.

1. Lay each blanket segment on a flat surface.
2. Measure out 12” from the ends of each blanket to be spliced.
3. Draw a line directly across each package at the 12” mark. This will be the splice zone.
4. Remove all of the tie pins from within the splice zone of each blanket.



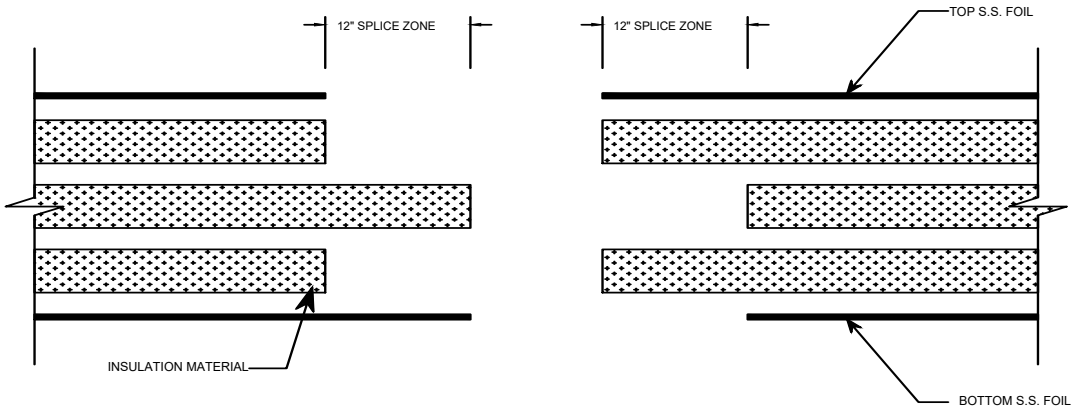
SPLICING

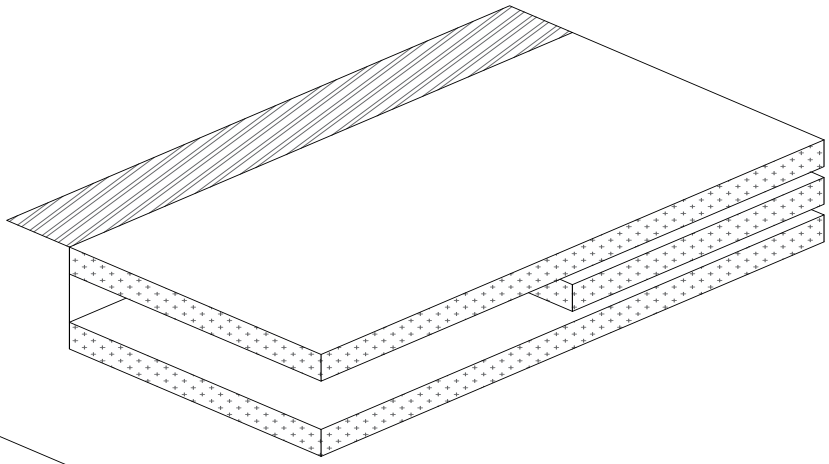
B. Splicing Instructions

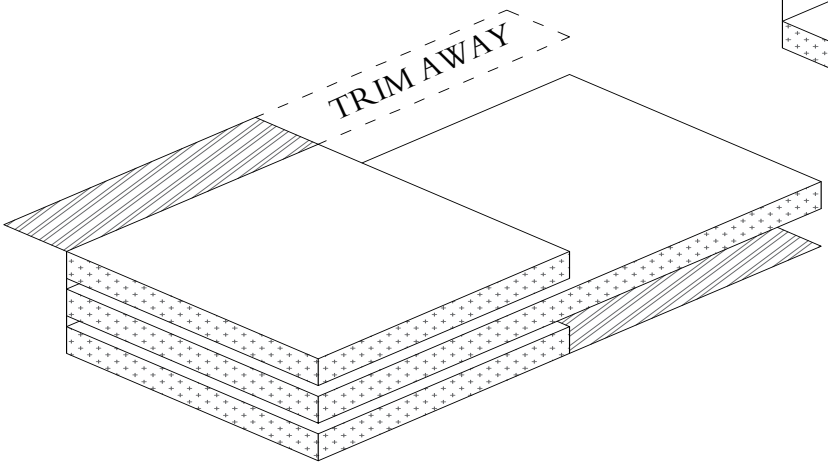
1. Make a “tongue and groove” type splice by cutting away every other layer of insulation in the splice zone on each blanket segment and save the scraps for future use.
2. Make the opposite cuts on the other half of the splice.
3. Trim the metallic septum layers the same length as the insulation adjacent to them

Note: If flanges are pre-welded to the blanket segments, the flanges must be cut back in one of the splice zones. Overlapping galvanized flanges are not allowed.

CROSS SECTION



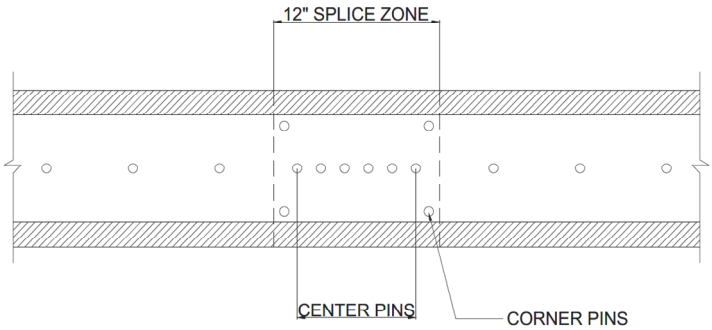


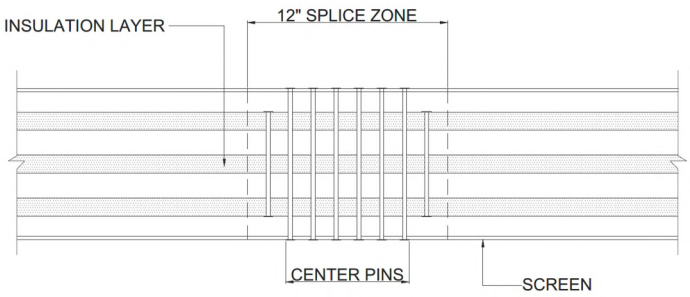


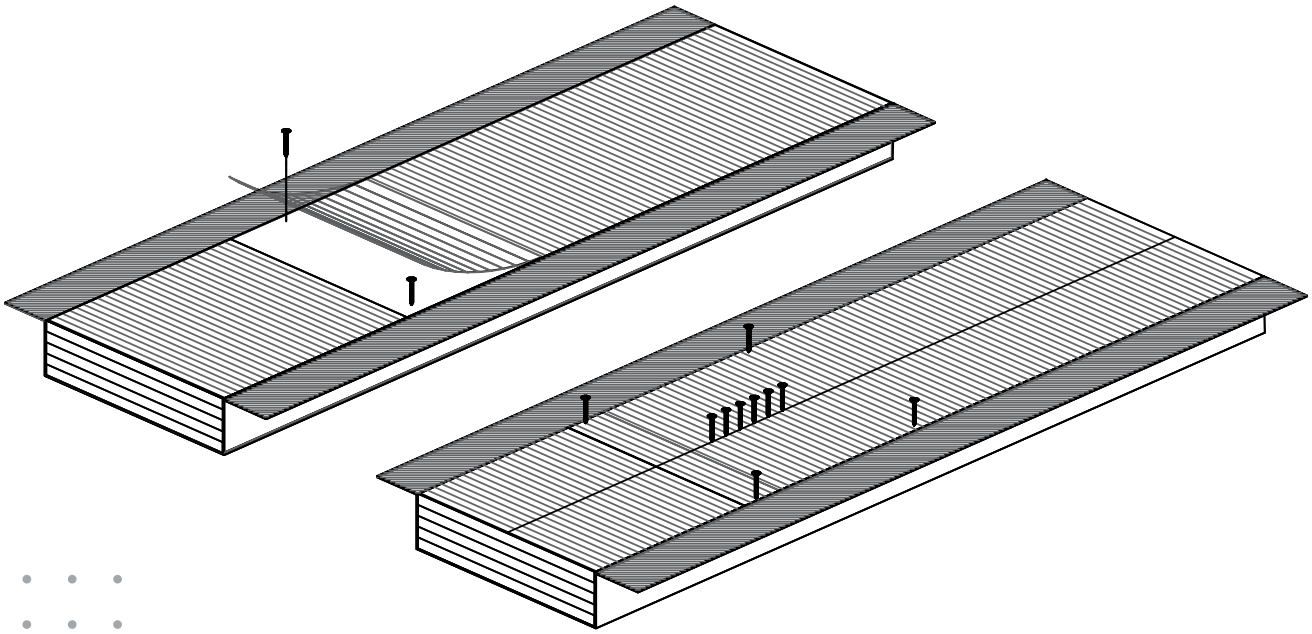
SPLICING

C. Splicing Instrucitons

1. Assemble the two blanket segments, interweaving the insulation layers.
2. Pin the four corners of the splice zone together, through the insulation and the foils, but not through the outer screen layers.
3. Place six equally spaced pins down the center of the splice zone, through the insulation, through all foil layers and both of the outer screen layers.
4. Inspect the splice to ensure: The splice does not have any gaps, The splice is tied together with pins, down the center line, through the screen. The four corner pins of the splice do not go through the screen.
5. After the splice has passed inspection, lay the scraps over the splice in a horizontal installation. These scraps were saved for future use during the completion of Step 2 and should now be laid in over the splice for added thermal protection.



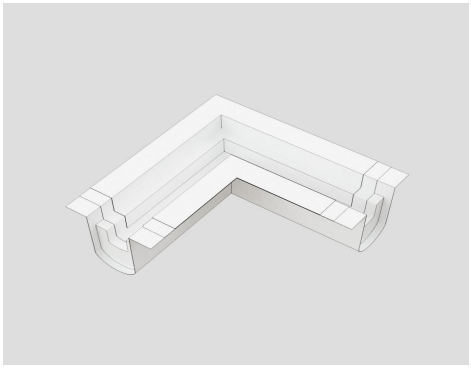


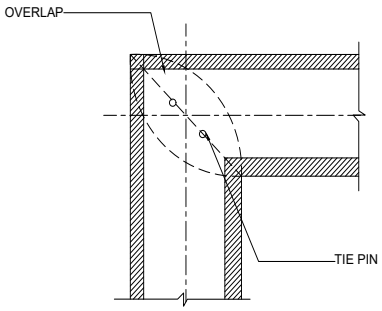


SPLICING

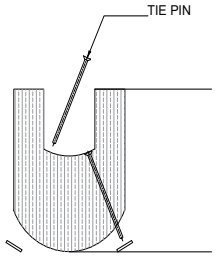
D. Splicing Variations

90° INTERSECTION SPLICE



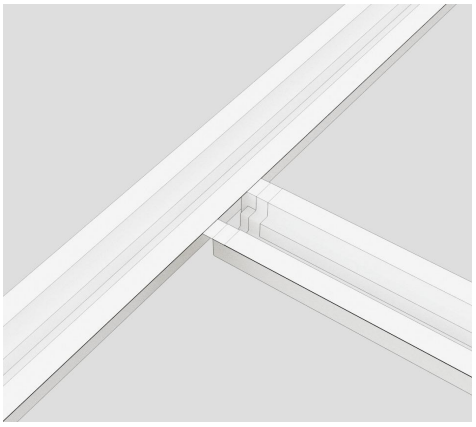


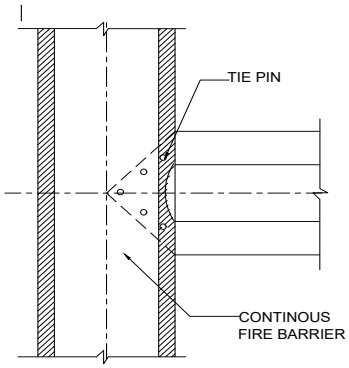
PLAN VIEW



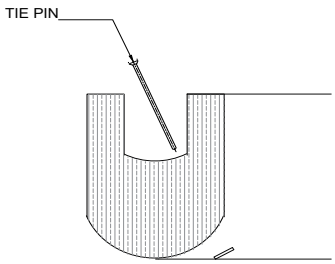
ELEVATION

"T" INTERSECTION SPLICE



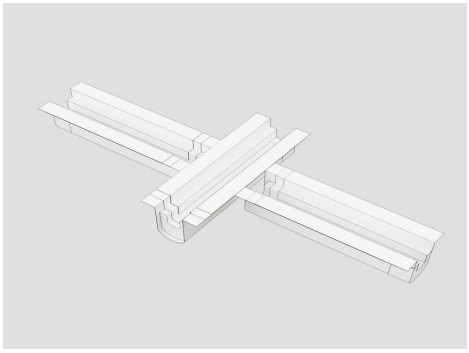


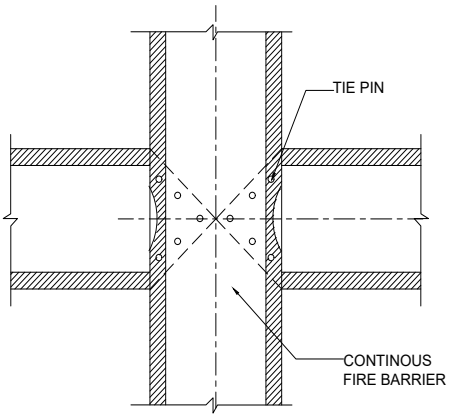
PLAN VIEW



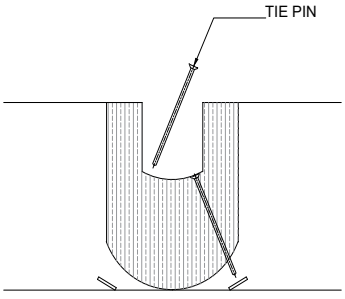
ELEVATION

4 WAY INTERSECTION SPLICE





PLAN VIEW



ELEVATION